

Industrial Process Heat Upgrade using Excess/Waste Heat

Horizon Europe

CODICE

HORIZON-CL5-2026-09-D4-08

AMBITO

Internazionale

LOCALITÀ

Europa

STATO

In Attesa

PROGRAMMA

Horizon Europe

CURATO DA

Maria Macedo

GENERATO IL

28 aprile 2026

Descrizione

Objectives

The principal objective of this call is to demonstrate and optimize, within one or more operational industrial sites, the transformation of industrial processes by recovering and upgrading excess/waste heat, potentially incorporating heat from nearby locations or local renewable sources. The focus is on cost-efficient approaches to improve energy efficiency, reduce greenhouse gas and pollutant emissions, and significantly phase out fossil fuel use within industrial sectors, while safeguarding or enhancing competitiveness. Eligible applicants are consortia including industrial entities operating in sectors with significant process heating demands in the EU and Associated Countries. Proposals must address the needs of most factories in the sector and ensure replicability and adaptability across the EU.

Project Types

This incentive supports Innovation Actions (IA) with physically demonstrated projects at operational sites. Eligible project types include the integration of technologies for recovering and upgrading process heat, combining thermal or electrical energy storage, maximizing flexibility, and standardization of components. There is a strong emphasis on surveying sector needs prior to the design phase and developing open technical and economic guidelines and tools for broader adoption. Eligible expenses encompass technology demonstration, system design, business case development, dissemination to industry stakeholders, and cooperation with relevant prior LIFE program actions.

Funding

The total indicative budget for this topic is €18,000,000, with an expected EU contribution of around €9,000,000 per project. Approximately two projects are expected to be funded. The co-financing rate is up to 70% (typical for IA actions under Horizon Europe), and funding is provided in the form of lump sum grants. Budget allocation and minimum/maximum project values depend on consortium size and scope, but proposals should target substantial demonstration activities. Funding covers all eligible costs as a lump sum, as defined in the grant agreement.

Key Requirements

The maximum project duration is not explicitly specified but is typically 36-48 months for similar Horizon Europe Innovation Actions. Proposals must reach Technology Readiness Level (TRL) 7-8 by project end and start at any TRL. Mandatory project deliverables include physically demonstrated solutions, open system design and business case guidelines, and robust dissemination activities. Projects must address replicability across the sector and cooperate with relevant LIFE actions if overlap exists. Eligibility limits apply to legal entities established in China for this destination. Result indicators include measurable improvements in heat recovery efficiency, reduction of fossil fuel use, and potential deployment across the EU.

Date e Scadenze

DATA DI PUBBLICAZIONE

Non definita

DATA DI APERTURA

5 maggio 2026

Fasi di Candidatura

- Deadline: 15 settembre 2026 alle ore 15:00

Dettagli Finanziari

TIPO DI SUPPORTO

Contributo a Fondo Perduto

TASSO MASSIMO DI FINANZIAMENTO

100%

BUDGET

18M€

VALORE DI PROGETTO AMMISSIBILE

Up to 9M€

Criteri e Documenti

Spese Ammissibili

- Personnel
- Travel and subsistence
- Other goods, works and services
- Equipment
- Subcontracting
- Indirect costs

Condizioni di Accesso

- Applications must involve at least one industrial site and sector with high process heat demand
- Legal entities from EU Member States or Associated Countries eligible
- Consortium must include partners from at least three different EU Member States or Associated Countries
- Adherence to Horizon Europe admissibility and eligibility rules
- Compliance with general and specific admissibility and eligibility criteria of Horizon Europe

Criteria di Selezione

- Excellence (scientific and technical merit)
- Impact (contribution to policy and partnership KPIs)
- Quality and efficiency of implementation

Informazioni Obbligatorie

- Completed application form (Part A and Part B)
- Annexes if required
- Lump sum budget file

Indicatori di Risultato

- Number of industrial sites demonstrating upgraded process heat solutions
- Measured increase in heat recovery and use of renewable or waste heat
- Reduction of fossil fuel consumption and GHG emissions
- Development and dissemination of open sectoral guidelines and tools

Dettagli Programma UE

ID BANDO

HORIZON-CL5-2026-09-D4-08

DESTINAZIONE

Using energy in buildings and industry in an efficient, affordable and sustainable way (2026-27)

CONTRIBUTO UE

around €9,000,000 per project

REGOLA DEL TASSO DI FINANZIAMENTO

Up to 70% of eligible costs as lump sum for Innovation Actions (for for-profit entities)

CLUSTER

5 – Climate, Energy and Mobility

MODALITÀ DI PRESENTAZIONE

Single-stage

PROGETTI PREVISTI

2

Idoneità

Settori Idonei

- Industria
- Energia e Ambiente

Dimensioni Aziendali

- PMI
- Grande
- Micro
- Small Mid-Cap
- Mid-Cap
- Enti privati non profit
- Enti pubblici

Tipi di Azione

- Innovation Action (IA)
 - Demonstration of heat recovery and upgrade in industrial processes
 - Technology standardization and replication
 - Technical and economic guideline development
 - Dissemination and industry cooperation
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Link Ufficiali

Regolamento Ufficiale: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-09-D4-08>

Pagina Grantavia: <https://grantavia.com/it/incentives/industrial-process-heat-upgrade-using-excesswaste-heat>

Prenota un incontro: <https://calendly.com/ines-carreira-fi-group/reuniao>